Network Control Center

STDN DAILY REPORT
FOR GMT DAYS
19, 20 AND 21 FEBRUARY 2001

Part I. Operations

19 FEBRUARY

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN ANOMALIES:

1. AGS/TRACE Support 19/0330-0400Z

LEO-T locked up before the pass began. The workstation could not access the front end of the LEO-T system. A direct connection to the front end was also unable to make contact with system. The LEO-T system was powered down and rebooted to clear the anomaly. TTR # 23625 CDS ID # 18139

LEO-T 0330-0400Z 11 Min. Svc/Data Loss (Recov)

2. SGS/EO-1 Support 19/1224-1235Z

The T1 line failed at initialization. The T1 line came up at 12:35Z, the cause of the line failure is unknown. During the EO-1 pass at 18:57:30Z the same problem occurred. Post pass the EIK ground station on the main land of Norway was contacted. It appeared that two fiber optic cables were broken in Arendal and some repatching had to be done to clear the anomaly.
TTR # 23627 CDS ID # 18143 and 18144

11 METER 1226-1240Z 11 Min. Svc/Data Loss (Non-Recov)
11 METER 1857-1911Z 13 Min. Svc/Data Loss (Recov)

20 FEBRUARY

A. SN Anomalies - None.

1. TERRA Support 20/0245-0305Z

TERRA 275 Event was not supported due to GUAM T1 line failure. The anomaly was found to be Newbridge Multiplexer at Guam. TTR # 23626

275 SSA1F/R 0245-0305Z 20 Min. Svc/Data Loss (Recov)

B. ISS/ECOMM Anomalies - None.

1. ECOMM Support 20/0113-0133Z

ISS and ECOMM POCC advised CSC that no data was visible and no Command capability. The anomaly was found to be Guam T1 line down due to a problem with Guam Newbridge Multiplexer. TTR # 23626

275 SSA1F/R 0113-0133Z 18 Min. 29 Sec. Svc/Data Loss (Non-Recov)
275 SSA1F/R 0139-0153Z 14 Min. Svc/Data Loss (Non-Recov)

C. GN Anomalies - None.

D. STS-98 Landed at EAFB in California at 20/2033Z.

E. SSI Number 508 NCC Software Delivery was Implemented from 20/2135Z until 20/2326Z.

21 FEBRUARY

A. SN Anomalies - None.

B. ISS/ECOMM Anomalies - None.

C. GN Anomalies

1. WGS/FAST Support 21/0227-0228Z

System had been configure for a 1500K pass approximately 12 hours prior to coming on shift and had not been configured back to the typical 2250K configuration. The operator failed to check the system out prior to the FAST pass and had to set the bit syncs up manually, causing a late AOS.
TTR # 23631 CDS ID# 18150

TOTS 30 Secs.Service/Data Loss Recoverable (Unknown)

2. WGS/TRACE Support 21/1005-1008Z

Just prior to the Trace pass the operator noticed that the HP tracking computer had halted and was not updating the system. The pass had to be manually taken. By the time the satellite was acquired and everything else got started it was apparently too late for the throughput commanding. If the project does not have AOS and a go for command by scheduled AOS plus three minutes their system never attempts to send the command. All data was captured but commanding was not received.
TTR # 23632 CDS ID# 18152

TOTS 1005-1015Z 3 Mins. Service Loss

3. WGS/FAST Support 21/1358-1407Z

TOTS System was unusable due to the HP tracking computer halted. Reason for the halt is on of the devises on the IEEE bus hangs up and system will stop. This problem has been DR'ed many times. The problem has been in the system since it was built. The problem is in both of the operational TOTS antenna's and is very intermittent. This problem has been given to engineering for resolution. Attempted to move support to LEOT. The LEOT will not notify the operator that a conflict has occurred with a pass already scheduled. When the Fast pass was scheduled the system was already scheduled for an IP-3. The system automatically adjusted the LOS time of the Fast support

so there was no conflict. Due to the short time to get the station configured for this support the operator did not notice this adjustment. The pass AOS was normal but at 140000Z the pass was terminated to configure for an IP3 support. This caused a data loss of 7 minutes. TTR # 23636 CDS ID# 18156

TOTS 7 Mins. Service/Data Loss Recoverable (Unknown)

4. SGS/EO-1 Support 21/184646Z-184741Z

When X-band was turned on, we lost auto track and did not get a solid bitsync lock. Operator switched to S-band tracking, and got a solid bitsync lock, then switched back again to auto diversity, The station auto tracked X-band through out the rest of the support with no problems. TTR # 23637 CDS ID# 18158

11M 1845-1858Z 55 Secs. Service/Data Loss Non-Recoverable

5. SKS/QST Support 20/2359-0014Z

Experienced intermittent combiner lock on the real time (4K) and recorded back orbit (262K) telemetry downlinks for the duration of the pass, resulting in partially degraded data. The 2MB downlink (hk2 and sci) was received nominally. The back orbit (262k) data will be recovered on a subsequent pass.
TTR # 23633 CDS ID# 18153

COMBINER 15 Mins Data Loss Recoverable

Part II . Testing Anomalies

A. SN Test - None.

B. GN Test - None.

Part III. Equipment Status Changes - None.

$ = Changed ETRO
** = New Items

Part IV. Scheduled Activities:

STS-102 OSVS KSC IVT Data Test	22/1200-2359Z
SGS and EDOS LZPF Joint EGS and MOSS #2 Integrated Test	22/1300-2345Z
D5907LS TITAN IV CENTAUR/B-41 LAUNCH F-1 COMM CHECKS/D/F	22/1400-1800Z
GOES-M Combined I&T and MSTA TLM,TRK and CMD Test GDS	22/1430-1630Z
LMSS/S/V and SUITLAND SOCC NOAA-M END TO END TEST #2	22/1500-2200Z
CCS 3.4 ON LINE DATA ARCHIVE TEST ON THE C STRING	22/1700-2100Z
Engineering Test w/JASON-1 POCC, WFF and PKRR	22/1730-1930Z

Part V. Launch Forecast Changes - None.